KLIPPEL QC SYSTEM – COMPUTER REQUIREMENTS

VALID FOR QC SOFTWARE VERSION 6

WHAT KIND OF PC IS REQUIRED?

The PC should be used exclusively to control the QC System. Since QC measurements are time critical, any program running parallel to the QC software may disturb the measurements. Please note that PC interface requirements differ, depending on the hardware version of your *Production Analyzer*.

The PC should meet the following requirements:

- PC Operating Systems[2)]: Microsoft Windows 7, 8 or 10
  Klippel recommends using Windows 7 or higher
  Note: For QC software version 3.x Windows 7 or Windows XP is required.
  For QC software version 4.x Windows 8, 7 or XP is required
  For QC software version 5.x Windows 10, 8, 7 or XP is required
  For QC software version 6.x Windows 10, 8, 7 is required
- Min. CPU requirements[1)]: Core 2 Duo 2.5GHz or equivalent
  recommended: Core i5 2.5GHz or equivalent
- 4GB RAM
- Min. 2 GB free disk space, plus disk space for measurement results
- Internet connection strongly recommended for online-support
- PC monitor with minimum 1024x768 pixel screen resolution
  recommended: 1920 x 1080 pixel
- 2 USB ports (min 2.0)
- Special requirements for ***Production Analyzer (USB + FireWire) v1.x***
  - FireWire (IEEE 1394 or IEEE 1394a) interface up to 400 Mbit/s. Please refer to our list of recommended FireWire cards below.
  - **Attention: FireWire800** (IEEE 1394b or 1394c with 800 Mbit/s and higher) **is <u>not</u> supported** as the operation is unreliable on Windows XP. **<u>Avoid</u> combined USB and FireWire** PCI as well as **combined FireWire 400 & 800 cards**.

1) These specifications are sufficient for most applications running in dB-Lab. For applications that create or process significant amount of data, a high end system (i7 or equivalent, 64 bit Windows, 8GB RAM) ensures smooth, efficient and uninterrupted operation

2) While there are no known significant problems with Windows Vista or the respective server systems (Windows Server 2003, 2008 or 2011), they are not regularly tested and we can provide only limited support.

RECOMMENDED FIREWIRE INTERFACE CARDS

THIS SECTION IS FOR PRODUCTION ANALYZER (USB + FIREWIRE) V1.X ONLY

DESKTOP PC - PCI EXPRESS CARDS (RECOMMENDED)

All listed cards in are approved by Klippel in extensive long term tests indicating good performance and stability.

Manufacturer	Mfr Part No.	Comment
Belkin	F5U504ea	2x6-pin FW 400 ports
DeLOCK	89121	2x6-pin FW 400 ports (extern), 1x6-pin FW 400 port (intern)
Dawicontrol	DC-1394 PCIe	2x6-pin FW 400 ports (extern), 1x6-pin FW 400 port (intern)
Exsys	EX-16450	2x6-pin FW 400 ports (extern), 1x6-pin FW 400 port (intern)

RECOMMENDED CHIPSETS (FOR ANY CARD FORMAT)

Recommended
TI
LSI (former Lucent)

NOT RECOMMENDED CHIPSETS

Problems have been observed with those chipsets.

This does not indicate that all cards / chipsets by those manufacturers are not working reliably.

Not recommended
Ricoh
VIA

OTHER FIREWIRE FORMATS / CARDS

All listed cards in this section are not officially approved by Klippel but the chipset indicates good performance.

LAPTOP - PCMCIA CARD

NOTE: Laptops are NOT recommended for production use. They might be used for evaluation.

Manufacturer	Mfr Part No.	Comment
Belkin	F5U513 or F5U513vea1	3 6-pin FW 400 Ports - often available at Staples
Belkin	F5U512 or F5U512-APL	3 6-pin FW 400 Ports - often available at Staples
Adaptec	FireConnect3 AFW1430A	3 6-pin FW 400 Ports
Manhattan	Mercury	2 6-pin FW 400 Ports

LAPTOP - EXPRESS CARD

NOTE: Laptops are NOT recommended for production use. They might be used for evaluation.

Manufacturer	Mfr Part No.	Comment
Belkin	F5U505 or F5U505ea	2 6-pin FW 400 ports
Dawicontrol	DC-1394 eCard, Ti chipset	2 6-pin FW 400 ports
Pyro	400 bus speed, Ti chipset	2 6-pin FW 400 ports

DESKTOP PC - PCI CARDS

NOTE: Only to be used, if no PCI-Express slot is available in the PC.

Manufacturer	Mfr Part No.	Comment
Belkin	F5U502 or F5U502ea	2 6-pin FW 400 ports
Adaptec	AFW-4300A	3 FireWire 400 ports (Discontinued)
Dawicontrol	DC-1394 PCI	3x6-pin FW 400 extern, 1x6-pin FW 400 intern
Exsys	EX-6450	2x6-pin FW 400 extern, 1x6-pin FW 400 intern